

19980519.ba v02_n059.bam.980519 v02_n060.bam.980519

>From ???@??? Wed May 20 04:09:27 1998
Message-Id: <199805191534.KAA23457@sco.theporch.com>
Date: Tue, 19 May 1998 10:31:58 CDT
Subject: BOATANCHORS digest 2059

BOATANCHORS Digest 2059

Topics covered in this issue include:

- 1) Re: 20-20-20 450V cap needed
by Bill Riches <richesb@algorithms.com>
- 2) Items FS:
by BEN NOCK <G4BXD@compuserve.com>
- 3) Re: sigh...
by "Mike B. Feher" <n4fs@monmouth.com>
- 4) Re: Ranger II VFO tube swap
by "Larry" <rau@wco.com>
- 5) AX9909 tubes available!
by Phil Mills <pmills@a.crl.com>
- 6) Items For Sale
by "Tom Bowes" <bowes@tir.com>
- 7) AT-1, jackatak, Dr. Bob
by MNHopkins <MNHopkins@aol.com>
- 8) A fine Ladd...or two
by MNHopkins <MNHopkins@aol.com>
- 9) Re: A fine Ladd...or two -- W2AZL
by John Dilks <oldradio@worldnet.att.net>
- 10) Find at Dayton
by "Greg Parsons A.K.A. Rat" <gregp@mis.net>
- 11) Gonset (Comm IV) VFO info needed. Help!
by Allen Tucholski <allent@en.com>
- 12) some parts needed
by "Benjamin D. Hall" <kd5byb@WT.NET>
- 13) Re: Collins 147A-1 PTO
by John Kolb <jlkolb@cts.com>
- 14) Old G-R capacitor problem
by Bill Hawkins <bill@iaxs.net>
- 15) SW-3 anecdote
by Ho4bart <Ho4bart@aol.com>
- 16) Dayton Delights
by Brian.Harris@sv.sc.philips.com (Brian Harris)
- 17) Re: Gonset (Comm IV) VFO info needed. Help!
by "James D. Mayfield" <kb9bnr@revealed.net>
- 18) Re: Mod Xmfr I.D.
by "ROBERT W DOWNS, WA5CAB" <RWDowns_WA5CAB@compuserve.com>
- 19) Re: Receiver model numbers

- by "P. J. Rovero" <provero@connix.com>
- 20) WTB SB series AM filter
by "Ed Santavicca" <santavic@ct.picker.com>
- 21) BC-221s..sort of..FS
by "Herbert M. Rosenthal" <herbrose@lobo.net>
- 22) Dayton modulator puzzle
by Brian.Harris@sv.sc.philips.com (Brian Harris)
- 23) Re: Dayton modulator puzzle
by "Mike B. Feher" <n4fs@monmouth.com>
- 24) Re: 20-20-20 450V cap needed
by "Arden Allen" <gumbear@pacbell.net>
- 25) Marine CW frequencies please
by Larry Kayser <kayser@rideau.net>
- 26) OLD TV STANDARDS
by JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)

Message-ID: <3560B0A2.42CF@algorithms.com>
Date: Mon, 18 May 1998 17:05:22 -0500
From: Bill Riches <richesb@algorithms.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: 20-20-20 450V cap needed
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Walt Novinger wrote:

>

> I want to replace the 20-20-20 mfd 450V cap in my SP-600 with as near a

Hi Walt - I bought an exact replacement for my 600 several years ago from Newark Electronics - about \$30.00. If you do not have a catalog let me know and I will look up phone number and part number for you when I am in my shop.

73,

Bill Riches, WA2DVU
Cape May, NJ 08210

Date: Mon, 18 May 1998 17:34:31 -0400
From: BEN NOCK <G4BXD@compuserve.com>
Subject: Items FS:
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <199805181734_MC2-3D6D-B453@compuserve.com>
MIME-Version: 1.0

Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

FOR SALE:

VARIOUS 19 SETS, COMPLETE, FROM =A3150. =

RA10B, SLIGHT MOD =A340. =

R1155A GOOD CONDX, NEEDS RE-CAP AND SLIGHT RE-WIRE =A350. =

R1155 PSU/AF AMP =A330. =

EDDYSTONE 400 COILS DD/CC =A310 EA. =

BIRD TS-2609 SWR/PWR METER =A330. =

MINITMITTER AM/CW 160-40 =A340. =

52 SET ATU =A340. FULLERPHONE (PART) =A315. =

10 WAY SWBD =A325. =

KW2000E WITH PSU/MIC =A3145. =

ALL COLLECT OR POST EXTRA.

Message-Id: <199805182203.SAA14540@shell.monmouth.com>
From: "Mike B. Feher" <n4fs@monmouth.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: sigh...
Date: Mon, 18 May 1998 18:07:46 -0700
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Greg -

You should have come to NJ, I have three of them. 73 - Mike

Mike B. Feher, N4FS
89 Arnold Blvd.
Howell, NJ, 07731
732-901-9193

SO..... If you have seen that for which I

> seek, a Clegg Zeus,
> drop me a line, my Interceptor is sooooo lonely.

Message-Id: <199805182241.PAA25837@shell.wco.com>
From: "Larry" <rau@wco.com>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: "boatanchors" <boatanchors@theporch.com>
Subject: Re: Ranger II VFO tube swap
Date: Mon, 18 May 1998 15:35:21 -0700
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

hard call ed.. if you change the osc tube.. you will have to re-calibrate
for every band...

maybe you need to do that now because of component or tube aging .. maybe
not??

you can certainly change the vr tube with no recalibration

If drive is normal, and calibration is good ...i would tend not to fool
with it...

Hoiwever the real way to decide is this:

you pull tube.. and test it...if transconductance changes less than 10 % ,
or better yet not at all ,when you reduce the filament voltage from 6.3 to
5 volts then the tube is essentially new.. and if it is other wise ok no
shorts and no gas.. there is just no reason to change it.. and some good
reasons not to...

vr tubes are an all or nothing deal.. last a long time.. but are cheap... I
would swap it for a new one.. but I would burn it in a few hours first to
make sure it isnt going to fail before i button the thing up again.

how is that for a long " maybe "? 73

W6WUH

Message-Id: <3.0.1.32.19980518190321.00688104@a.crl.com>
Date: Mon, 18 May 1998 19:03:21 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: Phil Mills <pmills@a.crl.com>
Subject: AX9909 tubes available!
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Today I received the AX-9909 tubes I bought for my Globe Champion 300 restoration project. They are Philips PEI/100 made in Holland and are new but unboxed. I bought them from Larry Drago who has given me permission to post his name and address info for any other Globe Champ owners in need of tubes.

Contact: Larry Drago
383 Lincoln Drive
Cheshire, CT 06419
203-272-2002

email is theradioman@webtv.net

He charges \$50 each or \$35 each for 4 or more plus \$10 postage and insurance.

thanks & 73,
Phil

Phil Mills AB5TH
pmills@a.crl.com
Friendswood, TX

From: "Tom Bowes" <bowes@tir.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Items For Sale
Date: Mon, 18 May 1998 20:36:50 -0500
Message-ID: <01bd82c6\$986da560\$3a9936d1@default>
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="-----=_NextPart_000_007A_01BD829C.AF979D60"

This is a multi-part message in MIME format.

-----=_NextPart_000_007A_01BD829C.AF979D60
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

BA Folks, I am back from Dayton and have few things that did not sell so I am offering them to the list crowd first. Items are as follows:

15 Western Electric 705A rectifier tubes, NIB. This unusual tube was a =
rectifier used in the early radar sets. Neat show pieces. \$4 each, plus =
shipping.

1 5FP7A oscilloscope CRT tube. This tube has a loose plug, but looks to =
be new. Free to a good home, you pick up the postage.

1 5LP1 Dumont CRT. No signs of use that I can see. \$5 plus shipping.

I have 40 ARC-5 receiver IF cans, 2830 KC, number 7277. 5 for \$2, plus =
shipping.

1 5CP1 CRT, appears unused. \$5 plus shipping.

1 Hammarlund HQ-180X with matching large Hammarlund speaker. This radio =
is the one with the crystal bank option which I am told is very rare. =
This rig works great, but somebody has at one time repainted the cabinet =
to a lighter shade of gray. The face of the radio is VG+. The chassis is =
fair, no rust, but looks like somebody cleaned it with something strange =
at one time which left the surface of the chassis streaked. I am asking =
\$425, plus shipping. Offers considered.

Best Wishes

"Tom"

Tom Bowes/KK8M

5529 25 Mile Road

Shelby Twp., MI 48316

-----=_NextPart_000_007A_01BD829C.AF979D60

Content-Type: text/html;

charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

<!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 HTML//EN">

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<HEAD>

<META content=3Dtext/html; charset=3Diso-8859-1 =

http-equiv=3DContent-Type>

<META content=3D'"MSHTML 4.71.1712.3"' name=3DGENERATOR>

</HEAD>

<BODY bgColor=3D#ffffff>

<DIV>BA Folks, I am back from Dayton and have few things =
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<DIV> </DIV>

<DIV>15 Western Electric 705A rectifier tubes, NIB. This =
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<DIV> </DIV>
<DIV>1 5FP7A oscilloscope CRT tube. This tube has a loose =
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<DIV> </DIV>
<DIV>1 5CP1 CRT, appears unused. \$5 plus =
shipping.</DIV>
<DIV> </DIV>
<DIV>1 Hammarlund HQ-180X with matching large Hammarlund =
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to a=20
lighter shade of gray. The face of the radio is VG+. The chassis is =
fair, no=20
rust, but looks like somebody cleaned it with something strange at one =
time=20
which left the surface of the chassis streaked. I am asking \$425, plus =
shipping.=20
Offers considered.</DIV>
<DIV> </DIV>
<DIV>Best Wishes</DIV>
<DIV> </DIV>
<DIV>"Tom"</DIV>
<DIV>Tom Bowes/KK8M
5529 25 Mile =
Road
Shelby=20
Twp., MI 48316 </DIV></BODY></HTML>

-----=_NextPart_000_007A_01BD829C.AF979D60--

From: MNHopkins <MNHopkins@aol.com>
Message-ID: <5a30d5ea.3560d7e2@aol.com>
Date: Mon, 18 May 1998 20:52:49 EDT
To: Old Tube Radios <boatanchors@theporch.com>
Mime-Version: 1.0

Subject: AT-1, jackatak, Dr. Bob
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Dayton friends provided me with two parts rig Heath AT-1s, and a problem. All I wanted was enough AT-1 to try an ancient 6M mod and I know the purists will complain if I use an original, so I buy my stuff from junk piles as a rule. But one of these has a near perfect panel with just two extra little holes for an add on xtal socket. Thus I must entertain a swap with a rig restorer. E-mail me if you qualify.

I did get to meet Jackatak before his forum Saturday. He is a robust fellow far younger than his call or some of his missives might suggest. He is younger than my 1945 date of issue, which I would find sobering had I not sobered up in 1973. That foresight allowed me to sit under the tent with the rest of AAs representatives in our guru's tent and stroke my pet "Dr" Bob the ferret as we watched the ill advised sip ethanol in the unseasonable Dayton sun. Truly Dayton has something for everything -- Dr. Bob liked the yellow apple.

73 de ab5L, michael in dallas, student of Tecraft and International (ICM) ham products and mementoes of Six Meters' Golden Age: 1957-58
Michael Hopkins
Box 226841
Dallas, TX 75222 MNHopkins@AOL.com

From: MNHopkins <MNHopkins@aol.com>
Message-ID: <708b6780.3560e121@aol.com>
Date: Mon, 18 May 1998 21:32:16 EDT
To: Old Tube Radios <boatanchors@theporch.com>
Mime-Version: 1.0
Subject: A fine Ladd...or two
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

The 15 1/2 half hour drive back from Dayton confused me, but it all started when I talked to manual mavern Pete Mackerage under the burning Dayton sun.

It seems there are two Ladds in ham radio History. Do I have them straight?

WA2AZL, Carl Schielder, SK who made some receive converters called Ladd. I am privileged to own one that brings 6 thru 20 down to 7mc and appears to be number 1. I do not know how many might have been made.

W2IDZ, Ed Ladd, inventor of the L'IL LULU TX (253 made) and RX (only 6 made).

Message-ID: <3560E3FE.773B@worldnet.att.net>
Date: Mon, 18 May 1998 21:44:30 -0400
From: John Dilks <oldradio@worldnet.att.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: A fine Ladd...or two -- W2AZL
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

MNHopkins wrote:

> WA2AZL, Carl Schielder, SK who made some receive converters called Ladd. I am
> privileged to own one that brings 6 thru 20 down to 7mc and appears to be
> number 1. I do not know how many might have been made.

To all,

Carl Scheidler, W2AZL, was a talented design engineer who worked at Bell Labs. His 2 and 6 meter converters were called the "W2AZL" converters. They enjoyed wide popularity, were very sensitive, and helped open-up the higher bands. You should be able to find them in old QST's and Handbooks. Also knowing a telephone man helped -- as they used the (unobtainium) WE 417-A tubes.

I own one and it is a treasured possession.

I knew Carl in the old AF-MARS days. He was a gentleman and a real radio pioneer.

--

73' John Dilks, K2TQN

Webmaster for the Antique Wireless Association
<http://www.ggw.org/awa> Click on "Page 2"

--and=

for the New Jersey Antique Radio Club
<http://www.eht.com/oldradio>

-----please-visit-----

Message-Id: <2.2.32.19980519015908.006b9768@pop.mis.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Mon, 18 May 1998 21:59:08 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: "Greg Parsons A.K.A. Rat" <gregp@mis.net>
Subject: Find at Dayton

Hello gang,

I forgot to tell you the one thing I did find in a free pile...
A Hallicrafters owners manual for the SX-99 & SX-99U Mark 1B, 1C & 1D.
It has a date stenciled on the front in pencil of Dec-25-58 So this looks like
it was some ones Christmas present, it has water marks and a few stains, but
it is all
here... So heres the deal (You knew it was coming right?) Rules of ware
apply, and it is
free to the best sob/gots to haves it, really needs it, can't lives without
it story.
I will pick one lucky person Friday morning and e-mail them to let them
know they have won.

73,
Greg
ke4000

--

```
-----
| Greg Parsons      KE4000      gregp@mis.net gregp@lfucg.com  gregp@stdio.com  |
| AMI #865    DoD 862    Who has the coffee? Better yet, who has the Ale8one? |
| NRA Life, SCCA, SCA      http://www.stdio.com/~gregp  http://www.lfucg.com |
|      "Religiones antiquae et arma ridiculae non comparant cum      |
|      bono telo eruptionis igneae latero te, puer." Hanno Solare      |
-----
```

Message-Id: <2.2.32.19980519015910.00b85188@en.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Mon, 18 May 1998 21:59:10 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: Allen Tucholski <allent@en.com>
Subject: Gonset (Comm IV) VFO info needed. Help!

Looking for a copy of the Communicator (IV) VFO manual.
Or if you could tell me what the 3 RCA Jacks on the back are for.
I know the one is RF out to a FT-243 xtal holder. What are the other 3 ?
I know this VFO can also be used for FM. Need to know what audio level is
recommended.

Any help would be appreciated.

Thanks
Allen

Message-Id: <3.0.32.19980518211701.00807e50@mail.wt.net>

Date: Mon, 18 May 1998 21:17:04 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: "Benjamin D. Hall" <kd5byb@WT.NET>
Subject: some parts needed
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Greetings everyone...

Need some odds and ends to make my homebrew Panoramic SB-8a panadapter power supply project complete. Thanks to Doug Ripka, I have an original HV transformer, and two proper oil-filled caps, and thanks to many people on the list, I'll be using RG-59U co-ax to carry the -1800 VDC for the CRT.

Now, I find that I need two tube sockets, and a top cap. Since the two tube sockets will live next to each other, I'd like for them to match - which is the reason I'm looking for them here rather than calling AES. One is a common octal (to hold a 5U4), the other a standard, four pin socket as used on the 80 rectifier, except I'll be using it for a 2X2 HV rectifier. Also need a top-cap for the 2X2 - it is larger than a top cap for an octal tube, yet smaller than the top cap used on a dud 811A that graces my computer desk. It measures 0.365" (9.3 mm) in diameter.

Thanks and 73 y'all!

Ben

Benjamin D. Hall, KD5BYB, Engine and radio collector / operator.

Located in Houston, Texas, USA.

e-mail: kd5byb@WT.net, web: ***down for refurbishment***

"An ye harm none, do what ye will."

Date: Mon, 18 May 1998 20:56:48 -0700 (PDT)
From: John Kolb <jlkolb@cts.com>
To: Old Tube Radios <boatanchors@theporch.com>
cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Collins 147A-1 PTO
Message-ID: <Pine.SCO.3.91.980518205503.22214D-1000000@sd.cts.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 17 May 1998, Bill Hawkins wrote:

> Picked up a PTO labelled Collins 147A-1, about 6 inches long, 3 dia,
> with two 5902 submini tubes wired into the back. Has two jacks, one
> labelled J2106 Input, the other J2109 Output. Also a smashed 4 pin
> plug for heater and B+. What kinda PTO has an input as well as an
> output (about 3/16 dia)?

>

The R-392 VFO has a single tube (26D6) used as a oscillator/mixer so has both an input and output connection.

John KK6IL

Date: Mon, 18 May 1998 23:09:32 -0500 (CDT)
From: Bill Hawkins <bill@iaxs.net>
Message-Id: <199805190409.XAA10012@citrus.iaxs.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Old G-R capacitor problem

Picked up a General Radio 219M triple decade capacitor box at the Radio Daze meet in Plymouth, MN. (Anybody go to Willmar?) The tenths of a microfarad decade is 10% off, and shows leakage. Each decade has 4 caps potted with tar in a metal box open at one end.

Anybody tried restoring an old tarred cap by melting out the tar? Is it a waste of time to try? Sure, I can substitute modern caps, but this is a G-R precision cap set. The other two decades seem to be OK.

Regards,
Bill Hawkins

P.S. No replies on the Collins 147A-1 PTO with submini tubes. Anybody know what it came out of?

From: Ho4bart <Ho4bart@aol.com>
Message-ID: <5cab465d.35610b94@aol.com>
Date: Tue, 19 May 1998 00:32:50 EDT
To: Old Tube Radios <boatanchors@theporch.com>
Mime-Version: 1.0
Subject: SW-3 anecdote
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

[mailed from] SS Aleutian
Oct. 31, 1940

Messrs. H. Smith, W. Zinn [Alaska Steamship Company, Seattle]

.....The SW3 receiver used for high frequency reception has been very unsatisfactory this trip as it was last.

.....The coils were removed and rewound with a static shield between them. This has resulted in some loss of signal but the signal-to-noise

ratio seems to have been improved greatly.....

.....The coupling transformer from feed to SW3 became very loose and thinking this might be the cause of the signal fluctuation with engines running, it was taken apart and the single rivet which held it to its supporting bracket was replaced with two machine screws. The prongs on some of the plug-in coils are rather rough and as Mr. Zinn pointed out, this sometimes bends the prongs of the sockets. Perhaps this has happened and is the cause of the trouble.....

.....many times when we have been able to send traffic to KEK by high frequency, it would have been all but impossible to read his acknowledgement from him.....on several occasions it has been necessary to get the acknowledgement through another ship on intermediate frequency.....

[from various papers of Alaska Steamship Co. transcribed here for your infotainment by hue miller]

Mime-Version: 1.0

Date: Tue, 19 May 1998 01:06:44 -0700

Message-ID: <0009D2F1.1914@svlima.sv.sc.philips.com>

From: Brian.Harris@sv.sc.philips.com (Brian Harris)

Subject: Dayton Delights

To: Old Tube Radios <boatanchors@theporch.com>

Content-Type: text/plain; charset=US-ASCII

Content-Transfer-Encoding: 7bit

Content-Description: cc:Mail note part

Helping smooth the road bumps encountered in the 1000 miles of interstate highway from Dayton to Dallas were the following heavyweights. Those marked with an asterisk are somewhat out-of-the-ordinary and in dire need of a manual.

If you have any of these manuals or have suggestions about where I might find them (other than the well known manual sources), please advise.

- * Eldico SSB-100F Transmitter
- * Gates Gatesway 80 Broadcast Console
- * Altec Lansing 352A Amplifier/Mixer/Compressor
- * Central Electronics GC-1 Gated Compression Amplifier
- * General Radio 1932-A Distortion and Noise Meter

Hallicrafters HT-33 Amplifier

73, Brian Harris WA5UEK

Message-Id: <3.0.32.19980519061310.00be2238@revealed.net>

Date: Tue, 19 May 1998 06:14:39 -0500

To: Old Tube Radios <boatanchors@theporch.com>
From: "James D. Mayfield" <kb9bnr@revealed.net>
Subject: Re: Gonset (Comm IV) VFO info needed. Help!
Cc: boatanchors@theporch.com
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The one on the left as you look at the back, is used to key the VFO up. You plug this one into the RCA jack on the back of the Gonset, so when you key up the xmitter the VFO also keys up. Not sure on the middle one.

73 Dave

At 09:59 PM 5/18/98 -0400, you wrote:

>Looking for a copy of the Communicator (IV) VFO manual.
>Or if you could tell me what the 3 RCA Jacks on the back are for.
>I know the one is RF out to a FT-243 xtal holder. What are the other 3 ?
>I know this VFO can also be used for FM. Need to know what audio level is
>recommended.

>

>Any help would be appreciated.

>

>Thanks

>Allen

>

>

>

J. Dave Mayfield KB9BNR

<http://home.revealed.net/qste/bnr/kb9bnr.html>
kb9bnr@revealed.net

Date: Tue, 19 May 1998 07:14:17 -0400
From: "ROBERT W DOWNS, WA5CAB" <RWDowns_WA5CAB@compuserve.com>
Subject: Re: Mod Xmfr I.D.
To: Old Tube Radios <boatanchors@theporch.com>
Cc: BOATANCHORS <boatanchors@theporch.com>
Message-ID: <199805190714_MC2-3D84-4507@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Lock,

I finally found time to go up into the attic and get one of =
my AN/ART-13 manuals. 677 0002 00 (T-101) is the modulation =
transformer for T-47/ART-13.

73, Robert W. Downs, WA5CAB
RWDowns_WA5CAB@compuserve.com
Houston, TX

Date: Tue, 19 May 1998 08:16:04 -0400 (EDT)
From: "P. J. Rovero" <provero@connix.com>
To: Old Tube Radios <boatanchors@theporch.com>
cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Receiver model numbers
Message-ID: <Pine.BSI.3.95.980519081430.5359A-100000@comet.connix.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

In the old SuperPro days, X meant crystal filter.

In the 50's/60's HQ-series receivers, X meant either
one or more crystal oscillator (HFO) positions.

P. J. "Josh" Rovero	email: provero@connix.com
Oceanographer	work: rovero@sonalysts.com
Meteorologist	radio: KK1D
Curmudgeon at Large	web: http://www.connix.com/~provero/

From: "Ed Santavicca" <santavic@ct.picker.com>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Tue, 19 May 1998 08:26:27 -0500
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7BIT
Subject: WTB SB series AM filter
Message-Id: <2D7765A1225@ct1.ct.picker.com>

Does anyone have a 3.75KHZ filter for the SB series
rcvrs they would like to sell?

thanks

Ed

Ed Santavicca

73 de AA8TV
Piper Warrior N44076
santavic@ct.picker.com

Message-ID: <356190D5.34B2@lobo.net>
Date: Tue, 19 May 1998 07:01:58 -0700
From: "Herbert M. Rosenthal" <herbrose@lobo.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BC-221s..sort of..FS
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Cleaning the garage this week has uncovered two pieces of BA equipment that should be proudly displayed with other BAs of their era. What a shame to have them buried in a box on a shelf! I simply do not have enough room to display them myself. It is my pleasure to offer them up for sale; all reasonable offers will be considered. Any proceeds derived from their sale will be applied to my mad-money ham and computer fund.

Both of them are signal generators in the iBC-221î style. Here goes:

1. Navy model LM-13 Crystal Calibrated Frequency Indicating Equipment. Bendix contract date 1939, contract 69767, S/N 10078; manual dated 4 August 1943..two frequency ranges: 125KC to 2 MC and 2 - 20 MC. This one has a tuning eye in addition to the headset jack, for monitoring zero beat. Panel is a 10 and external is about an 8. Contains correct military AC 115/230V power supply in the battery compartment. Calibration manual is excellent, matching S/N. Cabinet exterior paint is fair-good, no dents, few #6 mystery holes.

2. TS 174 B/U. Columbus Electronics, Yonkers, New York. Order 38263-Phila-53, S/N 146. This one is black. Internal power supply. Frequency range is 20-250 MHZ; fundamental tuning range is 20-40 MC. Panel is a 10 and external is an 8.5 few scratches in the wrinkle paint, but no dents. Much less common than the 2-4 MC BC-221 we all know. Calibration manual is excellent, matching S/N. Contains internal AC PS, author unknown. No manual specifically for this one but will include a pristine copy of TM 11-300, 20 July 1944, which covers the SCR-211 series A through T, AA through AL. I presume the generator follows this

2-20 MC series..it surely looks like one.

Please contact me directly, Herb Rosenthal W5AN, herbrose@lobo.net, with an offer if you are interested in either or both of these relics from the past.

Mime-Version: 1.0
Date: Tue, 19 May 1998 08:23:21 -0700
Message-ID: <0009D733.1914@svlima.sv.sc.philips.com>
From: Brian.Harris@sv.sc.philips.com (Brian Harris)
Subject: Dayton modulator puzzle
To: Old Tube Radios <boatanchors@theporch.com>
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part

Another of my Dayton finds is an apparently home brew modulator. With some punch cut holes and slots, it appears to have been a partial kit or, at least, a planned design similar to those offered by Stancor. The front panel is sort of a dirty olive drab.

Sporting pairs of 866's and Taylor TZ-40's, the significant iron is Thordarson. The ample multi-match modulation and driver transformers, both marked 'The CHT Series' are accompanied by a T-19P69 plate transformer and a T19C06 choke (specs anyone?). The power supply filter is choke input and has two chokes. The second choke is non-Thordarson. Both filter caps are 5 uF at 1500 VDC.

With the plate transformer taps set at 1600 Volts (2360 is the other choice) and choke input, the HV is likely to be around 700 Volts. The transformer is specified at 300 mA DC and the modulator's meter is also 300 mA, so I figure the modulator must be capable, as configured, of perhaps 140 Watts.

Here's the puzzle. Having no bias supply, the TZ-40's self bias with a non-bypassed cathode resistor (intended negative feedback?) Patched in sometime after first construction is a small transformer, perhaps filament, whose secondary is directly across the bias resistor. This would appear to introduce a major 60 cycle component unless, perhaps, it was to counteract pre-existing hum. Your thoughts?

By the way, this modulator weighs an even 100 pounds!

73, Brian

Message-Id: <199805191336.JAA25736@shell.monmouth.com>
From: "Mike B. Feher" <n4fs@monmouth.com>
To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: Dayton modulator puzzle
Date: Tue, 19 May 1998 09:41:33 -0700
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Brian -

I guess you mean it was only across one of the resistors or were the cathodes connected together to a single bias resistor? Anyway I wonder if it might not have been a means by which the previous owner could monitor the modulation waveform, using the transformer in reverse to step up the voltage. Leaving for the airport in about 45 minutes, see you later this afternoon. 73 - Mike

Mike B. Feher, N4FS
89 Arnold Blvd.
Howell, NJ, 07731
732-901-9193

> From: Brian Harris <Brian.Harris@sv.sc.philips.com>
> To: Old Tube Radios <boatanchors@theporch.com>
> Subject: Dayton modulator puzzle
> Date: Tuesday, May 19, 1998 8:23 AM
>
> Another of my Dayton finds is an apparently home brew modulator. With some
> punch cut holes and slots, it appears to have been a partial kit or, at least, a
> planned design similar to those offered by Stancor. The front panel is sort of
> a dirty olive drab.
>
> Sporting pairs of 866's and Taylor TZ-40's, the significant iron is Thordarson.
> The ample multi-match modulation and driver transformers, both marked 'The CHT
> Series' are accompanied by a T-19P69 plate transformer and a T19C06 choke (specs
> anyone?). The power supply filter is choke input and has two chokes. The
> second choke is non-Thordarson. Both filter caps are 5 uF at 1500 VDC.
>
> With the plate transformer taps set at 1600 Volts (2360 is the other choice) and
> choke input, the HV is likely to be around 700 Volts. The transformer is

> specified at 300 mA DC and the modulator's meter is also 300 mA, so I figure the
> modulator must be capable, as configured, of perhaps 140 Watts.
>
> Here's the puzzle. Having no bias supply, the TZ-40's self bias with a
> non-bypassed cathode resistor (intended negative feedback?) Patched in sometime
> after first construction is a small transformer, perhaps filament, whose
> secondary is directly across the bias resistor. This would appear to introduce
> a major 60 cycle component unless, perhaps, it was to counteract pre-existing
> hum. Your thoughts?
>
> By the way, this modulator weighs an even 100 pounds!
>
> 73, Brian
>

Message-Id: <199805191343.GAA13688@mail-gw6.pacbell.net>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: 20-20-20 450V cap needed
Date: Tue, 19 May 1998 06:45:18 -0700
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi Walt;

RF Parts carries the Mallory LLC 20-20-20-20/450 for \$21.95 according to their website. It's shorter in length but same dia. <www.rfparts.com>

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Message-Id: <2.2.32.19980519144347.006d1f60@rideau.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Tue, 19 May 1998 10:43:47 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: Larry Kayser <kayser@rideau.net>
Subject: Marine CW frequencies please

Greetings:

I am cooking up a little demo here using a two tube regen rx, I want to have

both amateur CW and Commercial Marine CW coverage. I have forgotten the exact bands that the Ships and the Coast stations use. I would like to have the 2, 4, 8 and 12 Mhz bands if anyone has them.

Thanks in advance

Larry
VA3LK / WA3ZIA

MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit
Date: Tue, 19 May 1998 11:25:48 -0400 (EDT)
Subject: OLD TV STANDARDS
To: Old Tube Radios <boatanchors@theporch.com>
From: JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
Message-ID: <9805191125.aa12201@pcusa01.ecunet.org>

TV channel 1 (50-56 MHz) was given to hams just after WWII as 50-54 MHz to replace their old 56-60 MHz (5-meter) band. It was realized that it was too low in frequency & therefore quite prone to E-skip interference.

There was also an allocation for TV from 44-50 MHz, I call this channel 0!

FM broadcasting on 42-50 MHz (FCC allocations of May 1940) was moved to current freq's after WWII for the same reason. (FCC rules of 10/37 - 5/40 allowed FM broadcasting from 42.5-43.5 & 117-118 MHz. As far as I know, no use was ever made of the higher band during that time.)

Reception problems in 1935-37 in New York City caused RCA to set up a special TV receiving station at Riverhead. They used their rhombic antennas & found the problem was overseas reception of England's TV service! Talk about interesting DX!

This was the subject of at least two articles in the Proceedings of the I.R.E. which even had photos of the overseas reception. You can clearly see the F-layer-propogated English TV signals with lots of ghosting. That is normal as this kind of propogation involves lots of multipath.

I've seen some descriptions of old FM band bdcst reception all over the US & in England. Sporadic-E propogation gives good, multipath-free reception so reception quality would have been quite good, at least in the U.S. FM is normally quite easily degraded by multipath prop--the wider the FM deviation, the worse it gets. (The U.S. sigs as received in England would most certainly not have had as good a quality, see previous paragraph.)

The original, black & white, 525 line National Television Standards

Committee (NTSC) standards were adopted by the FCC in 1941. One of the last changes involved use of FM for the sound portion instead of AM. A deviation of 0.25 kHz was specified (0.75 kHz was & is used in FM broadcasting). The NTSC and its predecessors had been meeting since 1929.

Prior to that, from 1936, a 441 line system was used having AM sound (and before that, 343 lines). The TV channels (10/37) were 44-50, 50-56, 66-72, 78-84, 84-90, 96-102, 102-108 MHz. Only the lower channels were used, too hard to get tx power & rx sensitivity at higher ones.

1941 channels were 50-56, 60-66, 78-84, 84-90, 96-102, 102-108 MHz.

The much older 48 & 60 line mechanical TV's used freqs above about 44 MHz starting about 1932, I have no exact info them. Before that, low definition TV was transmitted on HF!

(The older (1936) British 405 line electronic TV (as opposed to mechanical TV) standard used AM until its demise in the late 1980's. Armstrong's work had not yet crossed the Atlantic when those standards were set (I blame Sarnoff of RCA for sitting on it for years). So British TV sound had to put up with lots of ignition noise & such on the sound channel.)

The stinkers at RCA had, starting in late 1939, flooded the market with TV sets that used the older, inferior 441 line standard. I believe these early sets could receive only one channel, NBC's, natch, which did the first commercial broadcasts.

The FCC told RCA to cut it out as these sets would have put a lot of pressure on to freeze TV standards & TV frequency allocations in an immature state (e.g. 441 lines & AM sound). RCA also tried to squeeze FM broadcasting out by a major frequency grab but the FCC, after hearing from Armstrong, did not cave in.

(During this time, vestigial sideband transmission of the picture carrier was also examined. It resulted in higher video definition. It was approved in 1938 & kept the people at the RCA/NBC transmitter in New York City very busy to install this feature.)

I think that there were very few mechanical TV's in use & mostly all experimental. Their technology was from the 1920's. In early 30's, some hybrid systems were used, e.g. mechanically scanned TV cameras & electronic receivers. The major hangups were satisfactory electronic cameras & CRT's, although the latter's technology was more advanced.

There was I think never any real sustained broadcasting using mechanical TV standards. Electronic TV received all of the serious, big buck\$ attention in the U.S. after the late 20's, e.g. at RCA & by Philo Farnsworth.

In England, both electronic (EMI) & mechanical (Baird) TV systems were evaluated until about 1935. Not surprisingly, electronic TV won out in 1936. England started the first regularly scheduled TV broadcasts in 1936. It was the marvel of the world & was studied by engineers from other countries including the U.S.

I find the history of technology fascinating!

-John Sehring (written on Fri, May 15, 1998 at Custer, SD) UCC WB2EQG

End of BOATANCHORS Digest 2059

>From ???@??? Wed May 20 04:10:49 1998
Message-Id: <199805200354.WAA10597@sco.theporch.com>
Date: Tue, 19 May 1998 22:53:18 CDT
Subject: BOATANCHORS digest 2060

BOATANCHORS Digest 2060

Topics covered in this issue include:

- 1) A Dayton Spy Set
by Bill Strangfeld <bstrang@iac.net>
- 2) Ships Radio Battery Room Key
by "David L. Stinson" <arc5@ix.netcom.com>
- 3) Re: Marine CW frequencies please
by Sandy W5TVW <ebjr@worldnet.att.net>
- 4) Re: OLD TV STANDARDS
by Jerry Proc <jproc@idirect.com>
- 5) RE: Ranger II VFO Shield-HELP
by "Freeberg, Scott (STP)" <scott.freeberg@guidant.com>
- 6) FS: HP 8708A synchronizer
by Brian.Harris@sv.sc.philips.com (Brian Harris)
- 7) "CX" frequencies change - get ready now!
by MODSTEPH@ACS.EKU.EDU
- 8) unobtanium 417-A, Igottum!!!
by Larry Kayser <kayser@rideau.net>
- 9) X rated hammarlunds
by "Larry" <rau@wco.com>
- 10) Need Help With Old Scope
by jkh@lexis-nexis.com (John Heck)
- 11) Anyone Using AMECO AC-1 On The Air?
by "Freeberg, Scott (STP)" <scott.freeberg@guidant.com>
- 12) FAA "TDQ" transmitter

- by sinned@VNET.IBM.COM
- 13) Bud LF-601 low pass filter
by sinned@VNET.IBM.COM
- 14) Old FM frequencies
by ail0@lehigh.edu (ARTHUR I. LARKY)
- 15) Re; Ranger VFO
by ail0@lehigh.edu (ARTHUR I. LARKY)
- 16) B-17 Radio "Room"
by James.Reid@merisel.com
- 17) Re: Need Help With Old Scope (Du Mont 208B)
by "Francis J. Townsend, III" <ftownsen@access.digex.net>
- 18) B-17 Radio "Room"
by Andre Guibert <aguibert@sympatico.ca>
- 19) Ant. Unit?
by Edward Zeranski <ejz@nosc.mil>
- 20) Re: B-17 Radio "Room"
by Lenox Carruth <carruth@swbell.net>
- 21) Re: Ant. Unit?
by Doug Gordon <dmgordon@pacbell.net>
- 22) Re: GB> Anyone Using AMECO AC-1 On The Air?
by john <johnmb@mindspring.com>
- 23) Re: Ant. Unit?
by Dan Arney <kn6di@groupone.net>
- 24) Re: B-17 Radio "Room"
by Sandy W5TVW <ebjr@worldnet.att.net>
- 25) Collins R-648/ARR-41
by Bob Login <jlogin@gville.mindspring.com>
- 26) Re: Collins R-648/ARR-41
by gwoods@albany.net (Gary Woods)
- 27) Neon Bulbs & Regulators
by Glenn Finerman <glennfin@mjet.com>
- 28) WTD - transformer
by Morris Odell <morriso@vifp.monash.edu.au>
- 29) Re: Collins R-648/ARR-41
by John Kolb <jlkolb@cts.com>

Date: Tue, 19 May 1998 12:04:53 -0400 (EDT)
From: Bill Strangfeld <bstrang@iac.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: A Dayton Spy Set
Message-ID: <Pine.SUN.3.93.980518223649.4531B-100000@crystal.iac.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Zen Radio Collecting, or, How To Find A Spy Set At Dayton:

I was just sitting there, sitting on my Ford pickup tailgate, selling stuff in the Dayton flea market, in the hot sun. This was after Michael and Bob the ferret showed up from Texas to admire homebrew six meter gear, and after Mike from Virginia helped me find a great bargain on test equipment I didn't really need but really did want (anybody have HP 141T/8552B/8553B manuals?).

Anyway, an older ham with a W8 call walked up, joined the crowd admiring Bob (the ferret), looked at the TCS and RDO I was selling and said, "You like old gear -- are you interested in a spy set?" I said, "Yes," and asked what kind of spy set it was. He mumbled some numbers which sounded like he couldn't remember exactly. But it sounded interesting and -- despite the mental voltage drop that came from getting up at 4 am and spending subsequent hours dehydrating my mind in the Ohio sun -- I got his telephone number and we all went back to watching Bob.

Friday night, I called him. He said I could visit on Saturday afternoon. He gave me directions and I drove over. It took two hours. I wondered all the way if this was a wild goose chase.

It wasn't. At the end of the drive were a virtually perfect unmodified working SST-1-E transmitter, SSR-1-G receiver, and SSP-1-D power supply.

If you're not familiar with this clandestine radio, these three pieces together are called the SSTR-1. It's a WW2 suitcase spy radio built for the OSS. There's a photograph of a slightly earlier version on page 114 of Keith Melton's book, The Ultimate Spy Book. Bill Howard wrote about the transmitter in the 11/94 Electric Radio. Yes, they are rare. Really rare. The transmitter has a long tall metal 6L6 mounted horizontally, and a miniature roller inductor that's just beautiful radio art. Output is about 15 watts. The superhet receiver uses loctals. I hooked it up later and listened to 40 meter CW on it. Tuning is still mighty touchy -- just like the old sources say it was -- but the set is sensitive and has plenty of volume.

We agreed on a price (a fair one -- I activated my conscience). Then we talked for a while. He told me about handling traffic when he was the chief of a radio gang on a destroyer, using RBAs, RBBs, and RBCs. I admired his bugs and his homebrew 813 rack and panel transmitter. And I asked if he had offered the SSTR-1 to anyone else at Dayton. He said, "Yes, I mentioned it to one other guy, but he wasn't interested."

That's my Dayton story. If you have any information about the SSTR-1 at all, or if you have one and want to try a QSO, I'd really like to get in touch.

73,
Bill Strangfeld, WB8YUW

bstrang@iac.net

Message-ID: <3561AD6B.51BC@ix.netcom.com>
Date: Tue, 19 May 1998 11:03:55 -0500
From: "David L. Stinson" <arc5@ix.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Ships Radio Battery Room Key
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I'm forwarding this to the list as I know there are many people here who are interested in the dying art of maritime radio. I'd buy this myself if money weren't so tight.

It's a brass key and tag, reportedly WW-II era, from a ship's battery room. It has the leather tag on it with identity.

It's listed on Ebay (no, it's not mine!) at:

<http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=14384094>

Even if you don't want it, there's an interesting picture. There are five days left on the listing and it's only at \$5, so might be worth a look to you.

73 DE Dave Stinson AB5S
arc5@ix.netcom.com

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: Old Tube Radios <boatanchors@theporch.com>
From: Sandy W5TVW <ebjr@worldnet.att.net>
Subject: Re: Marine CW frequencies please
Date: Tue, 19 May 1998 16:10:02 +0000
Message-ID: <19980519161000.AAA29018@LOCALNAME>

At 10:43 AM 5/19/98 -0400, you wrote:

>Greetings:

>

>I am cooking up a little demo here using a two tube regen rx, I want to have

>both amateur CW and Commercial Marine CW coverage. I have forgotten the
>exact bands that the Ships and the Coast stations use. I would like to have
>the 2, 4, 8 and 12 Mhz bands if anyone has them.

> These are subdivided into ship and coast segments. In most instances
ship stations are on the lower end and coast stations on the high end.

2 mhz. no longer used for CW for all practical purposes.

4 Mhz: 4170-4240, 4240-4400

8 Mhz: 8350-8475, 8475-8750

12 Mhz: 12535-12715, 12715-13130

16 Mhz: 16710-16950, 16950-17285

22 Mhz: 22295-22395, 22400-22670

These are approximate and may be changed or completely eliminated
come next year. Coast stations are dropping out of the system by droves.
Most ship traffic now via satellite, or Telex and SSB on HF.

73,

Sandy W5TVW

Message-ID: <3561DA98.695B@idirect.com>

Date: Tue, 19 May 1998 12:16:40 -0700

From: Jerry Proc <jproc@idirect.com>

MIME-Version: 1.0

To: Old Tube Radios <boatanchors@theporch.com>

CC: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: OLD TV STANDARDS

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

JOHN SEHRING wrote:

>

> TV channel 1 (50-56 MHz) was given to hams just after WWII as 50-54 MHz to
> replace their old 56-60 MHz (5-meter) band. It was realized that it was

Hi John,

What a great review of BA TV technology! You sure put some good effort
into that research.

--

Regards,

Jerry Proc

jproc@idirect.com

Message-ID: <21B46CBD022AD1118F0500805F15A0686AF12D@STPMSX05.stp.guidant.com>
From: "Freeberg, Scott (STP)" <scott.freeberg@guidant.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: Ranger II VFO Shield-HELP
Date: Tue, 19 May 1998 11:16:18 -0500
MIME-Version: 1.0
Content-Type: text/plain

Hi ED and all,

You asked for an opinion on changing the tubes inside the VFO compartment of your Ranger II. My personal opinion based on experience with my Valiant 1 says to leave the tubes alone if the transmitter is working. BUT, seriously consider replacing that 18 K ohm resistor (which is in series with the OA2) with an 18 K five or 6 watt part. That 2 watt resistor is underrated powerwise and should eventually burn up.

In my case, the resistor cooked slowly, and reduced its resistance over time, causing the fuse to blow every so often. Finally the resistor burned up, ruptured, the resistance dropped from 18K to 500 ohms, causing the OA2 to burn out, which then caused damage to the 6AU6 VFO tube, which all caused the 5V4 rectifier tube to burn out. Sheesh. All from that one stinking resistor (figuratively and literally hi hi). By the way, I replaced the resistor with two 36K 5 watt resistors in parallel, and mounted them outside the vfo cabinet in order to reduce heat. I mounted a terminal strip under the chassis and brought the wires out through the grommet in the vfo cabinet. Worked slick!

When I first discovered the burned out resistor, I asked for help on the BA list and several list members told me about the 18 K resistor problem with their Rangers and Valiants.

So if you have to open the VFO cabinet, and the transmitter works, leave the tubes alone, but replace that resistor before it burns out and takes out half of the other parts.

73,

Scott WA9WFA Saint Paul Minn
ARRL-LM, CCA, QRP-ARCI, NORCAL
Johnson Viking Valiant & Collins 75A4

> -----Original Message-----
> From: Ed Tanton [SMTP:n4xy@att.net]
> Sent: Monday, May 18, 1998 12:04 AM

> To: Old Tube Radios
> Subject: Ranger II VFO Shield-HELP
>
>
>

Mime-Version: 1.0
Date: Tue, 19 May 1998 11:55:55 -0700
Message-ID: <0009DE1E.1914@svlima.sv.sc.philips.com>
From: Brian.Harris@sv.sc.philips.com (Brian Harris)
Subject: FS: HP 8708A synchronizer
To: Old Tube Radios <boatanchors@theporch.com>
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part

As I understand, this unit accompanies the HP606B and HP608F generators for accurate frequency/phase locking. Since I don't have either one, it won't be used here. I don't know its worth or condition, although it looks very good. If you are interested, make me an offer. If not, I will surely find an appropriate generator one of these days.

Brian Harris WA5UEK

From: MODSTEPH@ACS.EKU.EDU
Date: Tue, 19 May 1998 13:03:31 -0400 (EDT)
Subject: "CX" frequencies change - get ready now!
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <01IX7VB6B50I00NAJB@ACS.EKU.EDU>
MIME-version: 1.0
Content-type: TEXT/PLAIN; CHARSET=US-ASCII

Hi, Gang,

Well, the world changes... In 1975 when brother Stu K8SJ put together the first Classic Radio Exchange (then Nostalgia Exchange) to encourage y'all to repair, restore and operate the older equipment, he pulled the suggested frequencies out of the air, with the consistency that the CW freqs were all the same up from bottom end of the bands (60 kHz up at that time).

Over the last few "CX's" we have seen the changes and how they affect our attempts. We are now getting foreign phone stuff, and those idiot machines cruising up and down and zapping in anywhere they find an opening - even a momentary one. We started shifting last time, but need to do it more thoroughly as a result of what we

have learned - S0:

Classic Radio Exchange frequencies (next "CX" is the last Sunday in September) for CW will move to:

3545, 7045, 14.045, 21.135, 28.180. In general this shifts us out of foreign phone traffic and the idiot machines, and on the higher bands puts us into the Novice/Tech-plus area to help encourage those guys, and to use the same crystal as you used on the 40 meter band (3x and 4x that 7045). Of course, always tune around those frequencies for the contest, at LEAST Plus/minus 5 kHz. Three xtals and you are in business for 80 thru 10.

Plenty of time to get them in before September - so have at it! With very little personal experience on the phone frequencies I do not know if we need to do anything with them. Let me know if we do - and suggestions for specifics.

For the Committee,
73, Al N5AIT
modsteph@acs.eku.edu

Message-Id: <2.2.32.19980519175111.00747a24@rideau.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Tue, 19 May 1998 13:51:11 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: Larry Kayser <kayser@rideau.net>
Subject: unobtanium 417-A, Igottum!!!

> Carl Scheidler, W2AZL, was a talented design engineer ho worked at
>Bell Labs. His 2 and 6 meter converters were called the "W2AZL"
>converters. They enjoyed wide popularity, were very sensitive, and
>helped open-up the higher bands. You should be able to find them in old
>QST's and Handbooks. Also knowing a telephone man helped -- as they used
>the (unobtanium) WE 417-A tubes.

If anyone is having heartburn trying to find some 417-A's I have one to two solutions for you.

First I have a few 417-A tubes, used but in good condition.

Second I have some tiny black thingmes that plug into a 417-A socket and makes like the best 417-A you ever had. This "tube" does not seem to get hot but it sure does work, it is reportedly a later invention of some sort. If you have a real need I have a few of these.

These are NOT for sale, lets talk about your needs. I used to have also some 416-C tubes but they are busy now in a 5W CW rig on 3722 Kc, just about 1/1000th of their design frequency.

Carl, W2AZL was one of the good guys, always had time to write a struggling young lad a helpful letter. He came from the same ilk as Mr. Rust, W2UNJ who did neat things with junk to get on SSB.

Larry
VA3LK / WA3ZIA

Message-Id: <199805191810.LAA04409@shell.wco.com>
From: "Larry" <rau@wco.com>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: "boatanchors" <boatanchors@theporch.com>
Subject: X rated hammarlunds
Date: Tue, 19 May 1998 11:04:29 -0700
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

in my 50's HQ-140XA... x is still a crystal phasing unit

W6WUH

Date: Tue, 19 May 1998 14:10:40 -0400
From: jkh@lexis-nexis.com (John Heck)
Message-Id: <199805191810.OAA10440@psc7128.lexis-nexis.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Need Help With Old Scope

Folks,
I had thought that the Hamvention would have drained my finances so much, and satisfied my lust for old junk so far as to keep me from further regrettable purchases at least until the usual run of summer swaps and flea markets. So I trotted down to Mendelsons at lunch time today to look for one simple and cheap neon sign transformer, desiring nothing more. I was disappointed in that quest and I only found one that was big enough to light all of Broadway. Too big for the Jacobs Ladder I had been thinking about to amuse the little ones. As I was leaving I was assaulted by a wierd piece of gear called a "Beckman Hydrogen Light Power Supply", which had a huge transformer, choke, and rectified by an 83. The 3 25L6's, the variety of other tubes, and the two light sockets with 25 watt incandescent bulbs caught my attention. The respected name of Beckman combined with the intrigue of the components and the obvious

high quality to make me have to have it. Hmmmmm, got to get out of here. The problem with Mendelsons is that as you pay for your stuff you have to keep looking at other stuff. While paying I spotted a scruffy old black o'scope off on a dirty shelf. It turned out to be a Dumont 208B "Oscillograph". It was all black crackle and Art Deco, and was in surprising good condition despite the grime. All the knobs were there and nothing broken except that the line cord had been twisted or wrenched off somewhere or other. I lugged it over to the counter(it has the virtue of staying put in high winds), and the counterman bravely clipped a power line to the ragged ends of the linecord stub. A flip of the switch and some tweaking followed, and darned if it didn't come up with a nice bright trace which responded to the controls in all the expected ways! I was so taken with it that I'm now the proud owner. Or it owns me or something, but it's in my truck anyway.

Has anybody got any information or manuals or just comments on this old Dumont 208-B "Oscillograph"? I would sure appreciate knowing something about it. Thanks.

Regards,
John Heck, KC8ETS
1009 Donson Drive
Dayton, Ohio 45429
(937)865-7036(work)
jkh@lexis-nexis.com

Message-ID: <21B46CBD022AD1118F0500805F15A0686AF138@STPMSX05.stp.guidant.com>
From: "Freeberg, Scott (STP)" <scott.freeberg@guidant.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Anyone Using AMECO AC-1 On The Air?
Date: Tue, 19 May 1998 15:13:19 -0500
MIME-Version: 1.0
Content-Type: text/plain

Hi Gang,

While I am preparing to put my AMECO AC-1 on the air (7040), I was wondering if there are others who are actively using them? Did anyone actually use it as a Novice? Did anyone build one? Any comments on it? Any kits left?

73,

Scott WA9WFA Saint Paul Minn
ARRL-LM, CCA, QRP-ARCI, NORCAL
scott.freeberg@guidant.com

From: sinned@VNET.IBM.COM
Message-Id: <199805192059.PAA00951@sco.theporch.com>
Date: Tue, 19 May 98 15:52:43 CDT
To: Old Tube Radios <boatanchors@theporch.com>
Subject: FAA "TDQ" transmitter

Does anyone have a brief description of this TX? What tubes and how much power output, voltages, etc. It's VHF and kinda big.

One of these is rumored to be sitting outside somewhere around Dallas, TX and I'm wondering if I should try and "rescue" it before it goes to the recycler.

Thanks,
Dennis W5FRS
sinned@vnet.ibm.com

From: sinned@VNET.IBM.COM
Message-Id: <199805192105.QAA01075@sco.theporch.com>
Date: Tue, 19 May 98 15:59:58 CDT
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Bud LF-601 low pass filter

Does anyone have any info about the proper way to adjust this? It has several variable capacitors to (at least 5) adjust. I'll pay copy/postage costs for docs about this filter. Looks like it would be a great TVI killer if I could ever get it adjusted.

Thanks,
Dennis W5FRS
sinned@vnet.ibm.com

Message-Id: <199805192117.RAA46606@ns5-1.CC.Lehigh.EDU>
Date: Tue, 19 May 1998 17:17:22 EDT
From: ail0@lehigh.edu (ARTHUR I. LARKY)
Subject: Old FM frequencies
To: Old Tube Radios <boatanchors@theporch.com>

Another reason for moving the FM channels which I have heard was that Sarnoff (who hated his old friend Armstrong for creating FM) wanted to cripple Armstrong's Yankee network. The Yankee was a network of FM stations which Armstrong set up running from mid-Atlantic up through the finger-lakes of NY and into New England. Each station picked up its signal off the air from a

previous station. An interesting sidelight is that one of the stations in the chain was Armstrong's experimental station in Alpine, NJ, just across the river from NYC. Since it was experimental, it could not carry commercials. Since it was a link in the chain it HAD to carry the network commercials. So Armstrong, in an action typical of him, invented sub-carrier modulation of the FM signal and used an in-audible tone to tell his follower station to switch to the subcarrier (and back.) We had an FM station here in the Lehigh Valley which broadcast music in buses and supermarkets. They used the sub-carrier to carry advertisements and the tone also boosted the volume to make the ads stand out over the background on the buses and in the stores.

Art

--RAA55790.895612189/ns4-1.CC.Lehigh.EDU--

Message-Id: <199805192133.RAA16360@ns1-1.CC.Lehigh.EDU>
Date: Tue, 19 May 1998 17:33:17 EDT
From: ail0@lehigh.edu (ARTHUR I. LARKY)
Subject: Re; Ranger VFO
To: Old Tube Radios <boatanchors@theporch.com>

I would not be in a hurry to change the VR tube. The next one may not have the same voltage and that will alter the calibration. Leave well enough alone. Nothing ruins a well-working electronic device like excessive preventative maintenance!

Art

From: James.Reid@merisel.com
Mime-Version: 1.0
Date: Tue, 19 May 1998 14:35:34 -0700
Message-ID: <002336FB.1413@merisel.com>
Subject: B-17 Radio "Room"
To: Old Tube Radios <boatanchors@theporch.com>
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part

Greetings all,

I had the awesome privilege this past Sunday of being part of a crawl-through tour of one of the few remaining B-17's. As part of the local Armed Forces Day celebration, Torrance Airport (Torrance, CA) hosted the "Nine-O-Nine" B-17 and the "Golden Girl" B-24. All I can say is awesome!

Of course I must tie this into tube radio to be a valid post. I was quite surprised to find the radio area fairly complete. I am in no way any kind of expert as to what should be there and what shouldn't, but there were at least 3 or 4 of the ARC-5 series

transmitters and receivers. There was also a bank of TU tuning units and on the other side, a lowly BC-348. The equipment didn't look in very good condition and it didn't appear any of the cabling was in place. I strongly suspect none of it was functional.

The crew was offering flights on Saturday at \$300 a pop. If they fly it in again next year, I'm going for it. This is truly an amazing aircraft. I have a lot more respect for all the men who flew these planes. I don't think there was a padded seat in the whole plane. I didn't get a chance to chat with the guy who had all the answers. I did overhear him talking to some other folks, tho. It costs about \$2000 per hour to keep the plane flying. The average life time of a B-17 was about 150 hours. This one has about 2,000 hours on it and actually saw duty in Europe during the latter part of the war. My wife said they were headed for Monterey, CA Sunday evening for another stop over. Apparently they were going to give Gregory Peck a special treat and take the 82 year old actor for a flight. I've seen the movie where he commands a squadron of 17's several times, but can't remember the name. Good flick, tho.

Sorry for the slightly off topic ramble, but if "Nine-O-Nine" comes to your town, by all means, go see it. It's worth it.

Regards,
Jim N6SVS
James.Reid@merisel.com

From: "Francis J. Townsend, III" <ftownsen@access.digex.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Need Help With Old Scope (Du Mont 208B)
Date: Tue, 19 May 1998 17:49:49 -0400
Message-ID: <01bd8370\$0c194380\$cfd15bcc@bac01468.access.digex.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The Oscilloscope by George Zwick, No. 52 in the Gernsback Library (1954) devotes pages 52 to 71 to the Du Mont 208B. It is described by the author as "although not of recent design, [still] an excellent instrument, having high quality and performance." It is quite a detailed account, including a description of the scope's operating controls.

I have located a bookshop that has a worn copy of Zwick's book for \$7.50. Let me know if you need the email address.

Frank

Francis J. Townsend, III
Baltimore, MD 21212
ftownsen@access.digex.net

-----Original Message-----

From: John Heck <jkh@lexis-nexis.com>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Tuesday, May 19, 1998 2:13 PM
Subject: Need Help With Old Scope

>Has anybody got any information or manuals or just comments on this
>old Dumont 208-B "Oscillograph"? I would sure appreciate knowing
>something about it. Thanks.

Date: Tue, 19 May 1998 18:04:53 -0400 (EDT)
Message-Id: <199805192204.SAA07721@smtp13.bellglobal.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: Old Tube Radios <boatanchors@theporch.com>
From: Andre Guibert <aguibert@sympatico.ca>
Subject: B-17 Radio "Room"

Bonsoir
The movie is "Twelve o clock High"
Andre

Message-Id: <3.0.1.32.19980519151548.006c1300@marlin.nosc.mil>
Date: Tue, 19 May 1998 15:15:48 -0700
To: Old Tube Radios <boatanchors@theporch.com>
From: Edward Zeranski <ejz@nosc.mil>
Subject: Ant. Unit?
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Today hauled a recently gleaned and cleaned BC-456 modulator to a friend as a nudge toward getting his ARC-5 sets out of cardboard boxes and onto racks and working. During the knee deep garage rooting process I came across an ant loading unit with no ID tag. Perhaps someone in old Mil BA land will recognise it....

Black box is 7"h x 3 3/4"w x 6 1/4"d, round holes on bottom with louvers on the back.

side pnl removable via 4 captive screws. It looks like the panel was to be bolted to a TX or airframe, serial # is 1473

terminals at top of frnt pnl 'Antenna' & 'Transmitter' gnd terminal is on the lower left corner

Seven step coil tap switch labeled 'H' and 1-7, with 500kc 1000kc and 1500kc at steps 1,6,7

Variometer control labeled 'J', 0-10 and "Tune to minimum P. A. Plate"

there is a lock for the variometer

Frequency 500 to 1100 KC specifies a 200ft trailing wire
1100 to 1500 KC 150ft

The coil is L801, cap to gnd is C801

Any ideas? Thanks folks!

Ed Zeranski This is a private opinion or statement.
home email: ezeran@cris.com

Message-ID: <3562077D.939F901@swbell.net>
Date: Tue, 19 May 1998 17:28:13 -0500
From: Lenox Carruth <carruth@swbell.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: B-17 Radio "Room"
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Now you've done it! I dare say that, for the time of its design, the BC-348 was one of the finest receivers around. They were in service in some places as late as the 1960s. It was truly a workhorse.

The radio rooms in both of the Confederate Air Force's B-17s are also fairly complete as is that of the Collings Foundation's B-24 and the Memphis Belle which is on Mud Island in Memphis. Unfortunately, the CAF's B-29 has no radio restoration to speak of. You can sometimes sweet talk your way inside of the Memphis Belle if you catch one of the guys from the restoration group there. They plan to have it absolutely original and they are already very close.

The movie is "Twelve O'Clock High" which was nominated for three academy awards. Dean Jagger won an academy award for his performance. It is from the book by Beirne Lay. Jr. who was in the 8th Air Force in England during the war. There was also a TV series by the same name.

James.Reid@merisel.com wrote:

> There was also a bank of TU tuning units
> and on the other side, a lowly BC-348.

--

Lenox

Lenox Carruth, Jr. carruth@swbell.net Dallas,
Texas
Collector of WW-II Communications Equipment and Memorabilia

Wanted: TCS-14 Transmitter, TBX, BD-71, Sextant

Message-ID: <35621019.91FB6FA@pacbell.net>
Date: Tue, 19 May 1998 16:04:58 -0700
From: Doug Gordon <dmgordon@pacbell.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Ant. Unit?
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Edward Zeranski wrote:

>ant loading unit with no ID tag. Perhaps someone in old Mil BA land will
>
> recognise it....
>
> terminals at top of frnt pnl 'Antenna' & 'Transmitter' gnd terminal is on
> the lower left corner
>
> Frequency 500 to 1100 KC specifies a 200ft trailing wire
> 1100 to 1500 KC ...

ART-13, Ed.

73, Doug K6AKK

Message-Id: <199805192310.TAA12859@camel8.mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Tue, 19 May 1998 19:09:04 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: john <johnmb@mindspring.com>
Subject: Re: GB> Anyone Using AMECO AC-1 On The Air?

At 03:13 PM 5/19/98 -0500, you wrote:

>Hi Gang,

>

>While I am preparing to put my AMECO AC-1 on the air (7040), I was
>wondering if there are others who are actively using them? Did anyone
>actually use it as a Novice? Did anyone build one?

Hi Scott, and yes to all...

I built one from a kit (as I remember, Ameco held down one of the inside covers of most QST mags in the late 60s) and believe that it cost the princely sum of \$24.95 or some such, in kit form. I built one and it worked first time out, even assembled by a very anxious 14 year old (me!).

Paired with a Knight Star Roamer (which I also built, and magically worked... as well as it did) it was NOT the hot setup (mostly due to my inexperience with radio, and the Star Roamer rx!) I had a few drifty QSOs before I upgraded the Star Roamer to A Knight R100 purchased from a CB'er. THAT was a much better arrangement, and I did work quite a few stations with that rig.

Neat rigs...I'd love to have one again, but they're remarkably uncommon to find , it seems. Where'd they all go?

Best

/John

+-----+
|Wanted: Howard Co. receiver/acc'ys/docs |
| AWA-OTB back issues... |
| JW Millen exciter |
+-----+

Message-ID: <3562256C.75B46F48@groupone.net>
Date: Tue, 19 May 1998 17:35:56 -0700
From: Dan Arney <kn6di@groupone.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Ant. Unit?
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Doug Gordon wrote:

> Edward Zeranski wrote:
>
> >ant loading unit with no ID tag. Perhaps someone in old Mil BA land will
> >
> > recognise it....
> >
> > terminals at top of frnt pnl 'Antenna' & 'Transmitter' gnd terminal is on
> > the lower left corner
> >
> > Frequency 500 to 1100 KC specifies a 200ft trailing wire
> > 1100 to 1500 KC ...
>
> ART-13, Ed.
> That is what I was going to say. ART-13. Will get you a copy out of the manual
> ED.

Hank KN6DI

> 73, Doug K6AKK

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: Old Tube Radios <boatanchors@theporch.com>
From: Sandy W5TVW <ebjr@worldnet.att.net>
Subject: Re: B-17 Radio "Room"
Date: Wed, 20 May 1998 00:55:59 +0000
Message-ID: <19980520005555.AAB14345@LOCALNAME>

At 05:28 PM 5/19/98 -0500, you wrote:

>Now you've done it! I dare say that, for the time of its design, the BC-348
>was one of the finest receivers around. They were in service in some places as

>late as the 1960s. It was truly a workhorse.

>

We had a C-47 in our old Air National Guard squadron (43-16029 as I recall). It had the traditional ART-13 and the BC348. I operated it on quite a

few flights on the ham bands. There was only two people in the whole outfit that knew how to tuneup and operate the station!

The B24 stopped by here several times. It has a complete complement of guns on it! The radio installation is "there" but not operational from the looks

of it. There *is* still an SCR-522 control box (disconnected) in the cockpit!

The B-17 was indeed 231909. She had a BC-375E and a BC-348Q I think (numbers hard to make out and the receiver was badly weathered!) SCR-274N Modulator unit on a shelf atop the receiver (unconnected), A two transmitter SCR-274N rack was there plus the BC-442 antenna switching unit. Three receivers below in a rack with no tuning or power cabling connected.

Five tuning units for the BC-375 in a vertical stack, three of them with chart holders missing. There was also a MF antenna tuner on a shelf above the BC-375. Seems like someone should restore the radio installation and at least

get the BC-348 going. My video says April 3, 1993.

There was a B-29 that stopped by here as well this year, but I missed it!

73,

Sandy W5TVW

Message-Id: <199805200152.VAA04159@camel8.mindspring.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Date: Tue, 19 May 1998 21:49:01 -0400

To: Old Tube Radios <boatanchors@theporch.com>

From: Bob Login <jlogin@gville.mindspring.com>

Subject: Collins R-648/ARR-41

Dear Fellow BAer's--Found this rx at Dayton. Looks like a small R360A. Made for Navy for airborne use, Has Collins filters. Very neat looking rx...can someone tell me more abt it? Tnx Bob, AA8A

From: gwoods@albany.net (Gary Woods)

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: Collins R-648/ARR-41

Date: Wed, 20 May 1998 02:12:18 GMT

Message-ID: <35663add.85682579@mail.albany.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

On Tue, 19 May 1998 21:49:01 -0400, you wrote:

>

>Dear Fellow BAer's--Found this rx at Dayton. Looks like a small
>R360A. Made for Navy for airborne use, Has Collins filters. Very neat
>looking rx...can someone tell me more abt it? Tnx Bob, AA8A

>

(I assume you meant R390A?) I spent many happy hours listening to an
ARR-41 over the sea of Japan in the early 60s. Yes, it has a lot in
common with its big brother.

As used in a P2V-7 (later known as P-2; SP2E (pronounce it as you
wish) anti-sub patrol aircraft, this was the auxiliary HF receiver...
main radio was an ARC-38A (AKA 618T?) AM/CW transceiver. Nice radio.
When not monitoring certain circuits warning of impending visitors,
the ARR-41 spent its life feeding the Far East Network to the rest of
the crew via an obsolete (but still wired) "gun crew" intercom
circuit. (or just listening around 20CW).

--

Gary Woods O- K2AHC Public key at www.albany.net/~gwoods, or get 0x1D64A93D via
keyserver

gwoods@albany.net gwoods@wr gb.com

fingerprint = E2 6F 50 93 7B C7 F3 CA 1F 8B 3C C0 B0 28 68 0B

Message-Id: <199805200239.VAA08990@sco.theporch.com>

Date: Tue, 19 May 1998 22:40:28 -0400

To: Old Tube Radios <boatanchors@theporch.com>

From: Glenn Finerman <glennfin@mjet.com>

Subject: Neon Bulbs & Regulators

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Amazing!. I Have a neon power indicator in a rack power strip
that is constantly flickering. After reading Hank's post copied
below, I shut the room lights off...No indicator! The bulb went
dead. Shined a flashlight on the neon bulb and presto! it works!!
Never too old to learn a few new tricks!

>This is a little trick that foxes a lot of people. Neon bulbs and
>VR glow discharge voltage regulators are notorious for not firing and
>starting their discharge in the dark. Light provides energy that will

>kick off the discharge.

73.....Glenn NA2DX

Message-ID: <356244EA.7EDB22B5@vifp.monash.edu.au>
Date: Wed, 20 May 1998 12:50:18 +1000
From: Morris Odell <morriso@vifp.monash.edu.au>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: WTD - transformer
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi all,

A friend who does not have access to this list is in need of a power transformer for a Yaesu FT-101ZD. This transformer supplies 900 volts to a pair of 6146s so it definitely fits the criteria for this list. If anyone has a junker out there I'm sure shipping down here wouldn't be a problem. He and I are going to be in different parts of the US in the next few weeks for our respective employers so we might even be able to collect it.

73 de Morris VK3DOC

Date: Tue, 19 May 1998 20:53:09 -0700 (PDT)
From: John Kolb <jlkolb@cts.com>
To: Old Tube Radios <boatanchors@theporch.com>
cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Collins R-648/ARR-41
Message-ID: <Pine.SCO.3.91.980519204408.14541C-100000@sd.cts.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 19 May 1998, Bob Login wrote:

> Dear Fellow BAer's--Found this rx at Dayton. Looks like a small
> R360A. Made for Navy for airborne use, Has Collins filters. Very neat

These are generally referred to as Airborne R-390's. I have a copy of a magazine writeup on it by Gary McClellan, without a date or source, but 73 Magazine is in the text, so more likely from there in the 70's or early 80's. Copies available for those that send me an address. No SASE required. Some (most) cover 150 kHz to 25 MHz

but mine only covers 2 MHz to 25 MHz. 500 kHz IF, and the
mechanical filter bandwidths are 1.4 and 6.0 kHz. Runs on 28 VDC
with an internal dynamotor.

John KK6IL jlkolb@cts.com

End of BOATANCHORS Digest 2060
